The State of New Hampshire
Department of Environmental Services
Michael P. Nolin
Commissioner

AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS

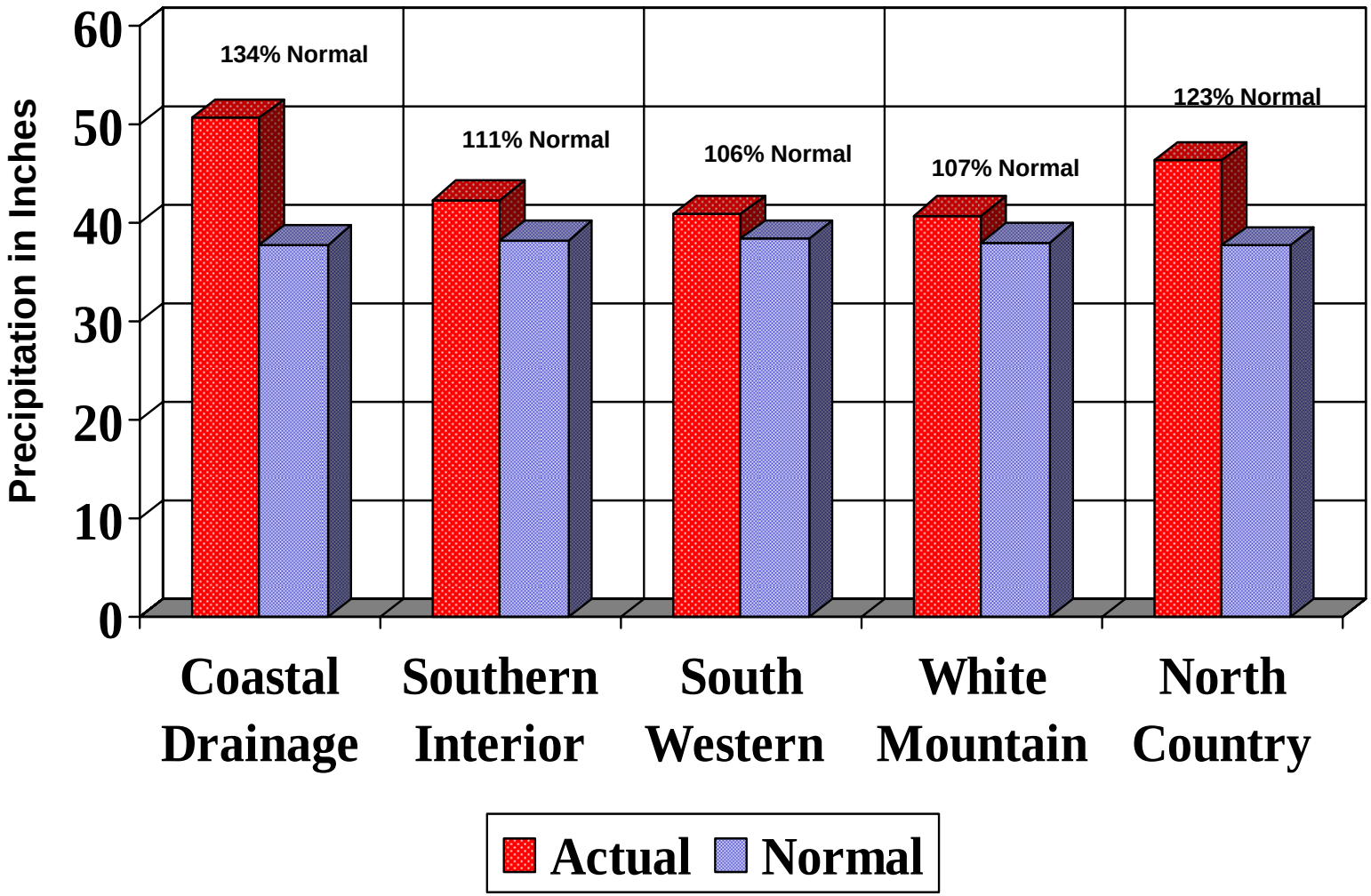
	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
Coastal Drainage: Rockingham, Strafford counties				
four month	19.20	13.00	6.20	148%
six month	24.87	16.30	8.57	153%
nine month	36.79	27.54	9.25	134%
twelve month	50.66	37.78	12.88	134%
Southern Interior: Belknap, Hillsborough, Merrimack counties				
four month	17.29	13.36	3.93	129%
six month	21.74	16.76	4.98	130%
nine month	31.46	27.88	3.58	113%
twelve month	42.41	38.27	4.15	111%
South Western: Cheshire, Sullivan counties				
four month	16.78	13.62	3.16	123%
six month	21.30	17.04	4.26	125%
nine month	29.96	27.82	2.14	108%
twelve month	40.86	38.38	2.48	106%
White Mountain: Carroll, Grafton counties				
four month	17.55	14.02	3.53	125%
six month	20.88	17.08	3.80	122%
nine month	30.44	27.54	2.90	111%
twelve month	40.79	38.06	2.73	107%
North Country: Coos county				
four month	19.85	14.48	5.37	137%
six month	23.99	17.24	6.75	139%
nine month	34.88	26.88	8.00	130%
twelve month	46.29	37.76	8.53	123%

four month period : April 2005 - July 2005
six month period : February 2005 - July 2005
nine month period : November 2004 - July 2005
twelve month period: August 2004 - July 2005

Source: Northeast River Forecast Center, NH Des Dam Bureau

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964
DES Web site: www.des.nh.gov

TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from August 2004 through July 2005



NH DES Dam Bureau, Northeast River Forecast Center

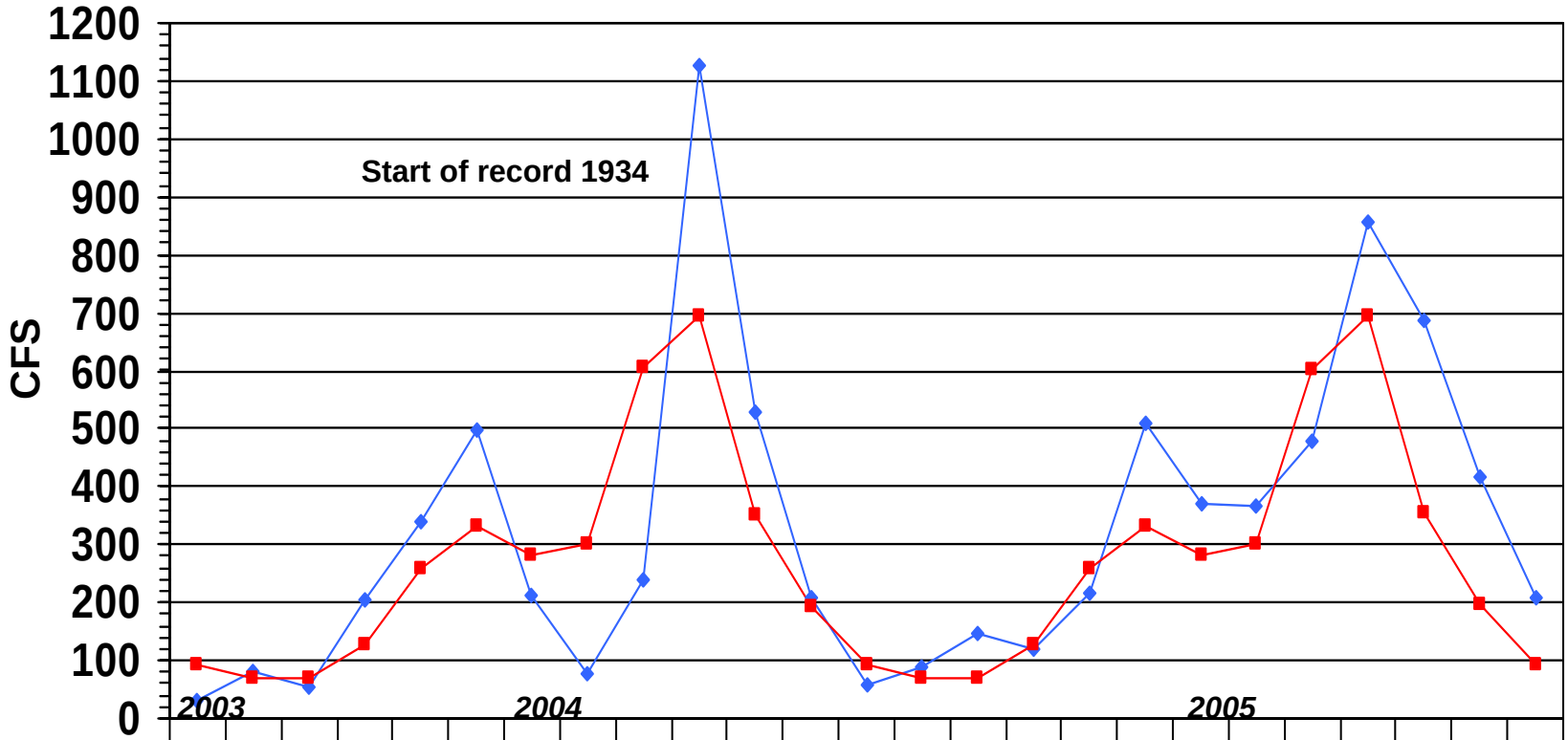
MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

		2004					2005						
		AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY
Coastal drainage													
STRAFFORD	actual	6.57	5.09	2.05	4.32	4.15	3.89	1.00	4.72	5.45	7.21	4.24	3.24
	normal	3.28	3.32	3.48	4.12	3.76	3.12	0.00	3.20	3.40	3.28	3.04	3.12
	deviation	3.29	1.77	-1.43	0.20	0.39	0.77	1.00	1.52	2.05	3.93	1.20	0.12
ROCKINGHAM	actual	6.37	5.49	2.16	3.58	4.05	3.86	1.00	4.62	5.05	6.28	3.79	3.13
	normal	3.44	3.40	3.56	4.24	3.92	3.32	0.00	3.40	3.44	3.40	3.12	3.20
	deviation	2.93	2.09	-1.40	-0.66	0.13	0.54	1.00	1.22	1.61	2.88	0.67	-0.07
Average	actual	6.47	5.29	2.11	3.95	4.10	3.88	1.00	4.67	5.25	6.75	4.02	3.19
	normal	3.36	3.36	3.52	4.18	3.84	3.22	0.00	3.30	3.42	3.34	3.08	3.16
	deviation	3.11	1.93	-1.42	-0.23	0.26	0.66	1.00	1.37	1.83	3.41	0.94	0.03
Southern Interior													
HILLSBOROUGH	actual	4.09	5.53	1.75	3.13	4.00	3.16	1.00	4.11	5.08	5.56	2.62	3.59
	normal	3.68	3.60	3.72	4.32	4.16	3.60	0.00	3.88	3.56	3.52	3.36	3.32
	deviation	0.41	1.93	-1.97	-1.19	-0.16	-0.44	1.00	0.23	1.52	2.04	-0.74	0.27
MERRIMACK	actual	4.48	5.20	1.83	2.97	4.06	3.10	1.00	3.72	5.16	5.06	3.87	3.64
	normal	3.44	3.36	3.44	4.00	3.92	3.16	0.00	3.40	3.36	3.36	3.20	3.28
	deviation	1.04	1.84	-1.61	-1.03	0.14	-0.06	1.00	0.32	1.80	1.70	0.67	0.36
BELKNAP	actual	4.77	3.78	1.43	2.81	3.48	2.45	1.00	2.53	4.69	5.05	4.46	3.08
	normal	3.28	3.36	3.28	3.80	3.48	2.92	0.00	2.92	3.24	3.28	3.16	3.44
	deviation	1.49	0.42	-1.85	-0.99	0.00	-0.47	1.00	-0.39	1.45	1.77	1.30	-0.36
Average	actual	4.45	4.84	1.67	2.97	3.85	2.90	1.00	3.45	4.98	5.22	3.65	3.44
	normal	3.47	3.44	3.48	4.04	3.85	3.23	0.00	3.40	3.39	3.39	3.24	3.35
	deviation	0.98	1.40	-1.81	-1.07	-0.01	-0.32	1.00	0.05	1.59	1.84	0.41	0.09
South Western													
CHESHIRE	actual	5.55	4.21	1.12	2.41	3.60	2.10	1.00	3.98	4.68	3.99	5.34	5.05
	normal	3.68	3.52	3.36	3.84	3.76	3.28	0.00	3.48	3.40	3.44	3.44	3.28
	deviation	1.87	0.69	-2.24	-1.43	-0.16	-1.18	1.00	0.50	1.28	0.55	1.90	1.77
SULLIVAN	actual	4.37	4.87	1.67	3.13	3.55	2.53	1.00	3.06	4.49	3.66	3.73	2.62
	normal	3.64	3.44	3.48	3.84	3.72	3.12	0.00	3.36	3.44	3.56	3.36	3.32
	deviation	0.73	1.43	-1.81	-0.71	-0.17	-0.59	1.00	-0.30	1.05	0.10	0.37	-0.70
Average	actual	4.96	4.54	1.40	2.77	3.58	2.32	1.00	3.52	4.59	3.83	4.54	3.84
	normal	3.66	3.48	3.42	3.84	3.74	3.20	0.00	3.42	3.42	3.50	3.40	3.30
	deviation	1.30	1.06	-2.03	-1.07	-0.17	-0.89	1.00	0.10	1.17	0.33	1.14	0.54
White Mountain													
GRAFTON	actual	5.79	2.90	1.44	3.23	3.37	2.37	1.00	2.53	3.78	3.97	5.42	4.00
	normal	3.64	3.48	3.48	3.76	3.64	2.92	0.00	3.04	3.24	3.56	3.48	3.84
	deviation	2.15	-0.58	-2.04	-0.53	-0.27	-0.55	1.00	-0.51	0.54	0.41	1.94	0.16
CARROLL	actual	5.23	3.71	1.62	3.81	4.00	2.35	1.00	2.13	4.83	5.26	4.09	3.74
	normal	3.48	3.44	3.52	3.92	3.68	3.00	0.00	3.08	3.32	3.48	3.44	3.68
	deviation	1.75	0.27	-1.90	-0.11	0.32	-0.65	1.00	-0.95	1.51	1.78	0.65	0.06
Average	actual	5.51	3.31	1.53	3.52	3.69	2.36	1.00	2.33	4.31	4.62	4.76	3.87
	normal	3.56	3.46	3.50	3.84	3.66	2.96	0.00	3.06	3.28	3.52	3.46	3.76
	deviation	1.95	-0.16	-1.97	-0.32	0.03	-0.60	1.00	-0.73	1.03	1.10	1.30	0.11
North Country													
COOS	actual	6.56	2.88	1.97	4.25	4.03	2.61	1.00	3.14	4.45	4.82	5.59	4.99
	normal	4.00	3.40	3.48	3.48	3.44	2.72	0.00	2.76	3.04	3.32	4.16	3.96
	deviation	2.56	-0.52	-1.51	0.77	0.59	-0.11	1.00	0.38	1.41	1.50	1.43	1.03

Source: Northeast River Forecast Center, NH DES Dam Bureau

LAMPREY RIVER near NEWMARKET NH
Gage# 01073500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

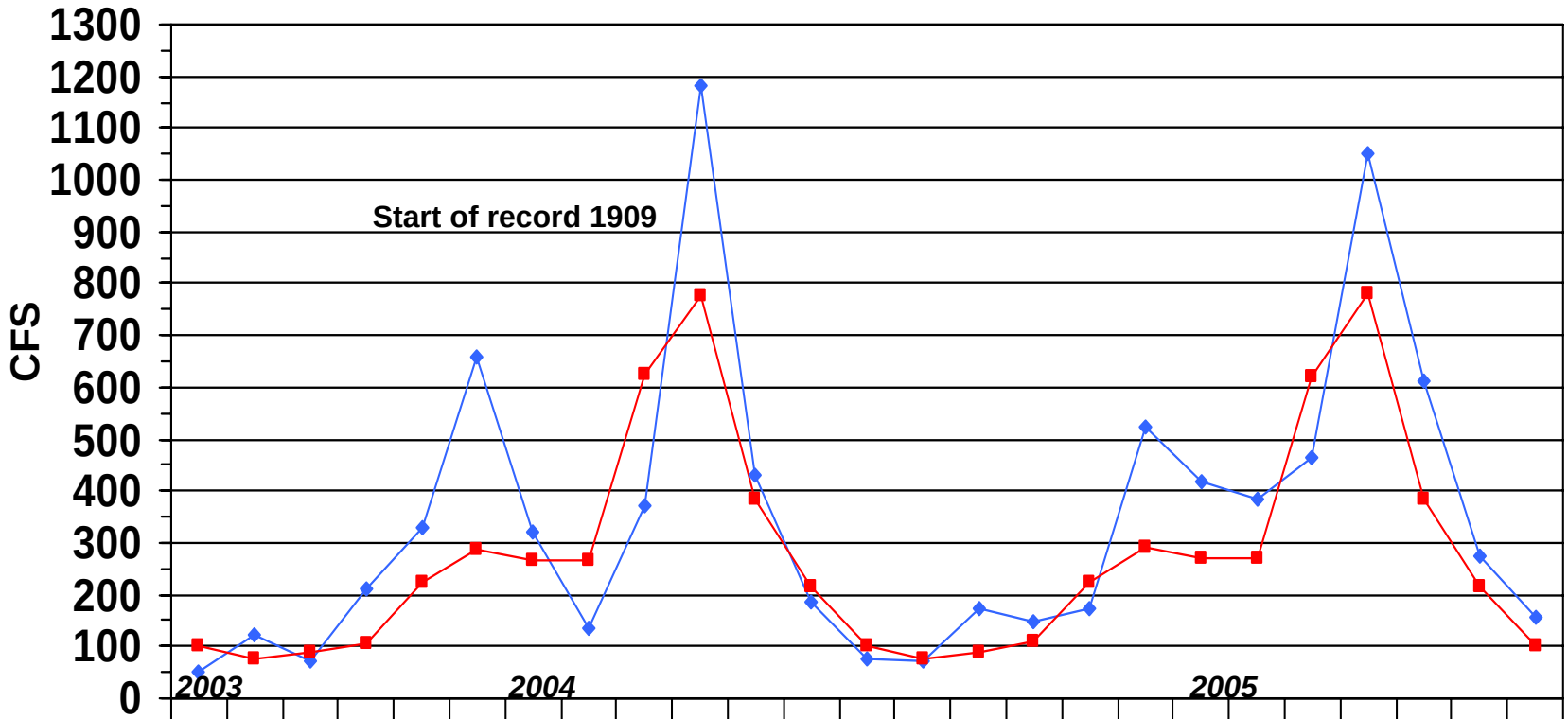


	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Monthly Mean Flow	32	80	53	206	338	498	212	79	241	1125	529	207	56	89	145	119	217	508	369	368	477	857	685	415	209
Mean of Monthly Flows	92	70	70	128	260	330	281	300	605	694	351	192	91	71	71	128	259	333	282	301	603	696	355	195	93
% of Normal	35%	114%	76%	161%	130%	151%	75%	26%	40%	162%	151%	108%	62%	125%	204%	93%	84%	153%	131%	123%	79%	123%	193%	213%	255%

NH DES, Dam Bureau, Source: USGS (Ice: 01/03,12/04)

SOUHEGAN RIVER at MERRIMACK NH
Gage# 01094000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

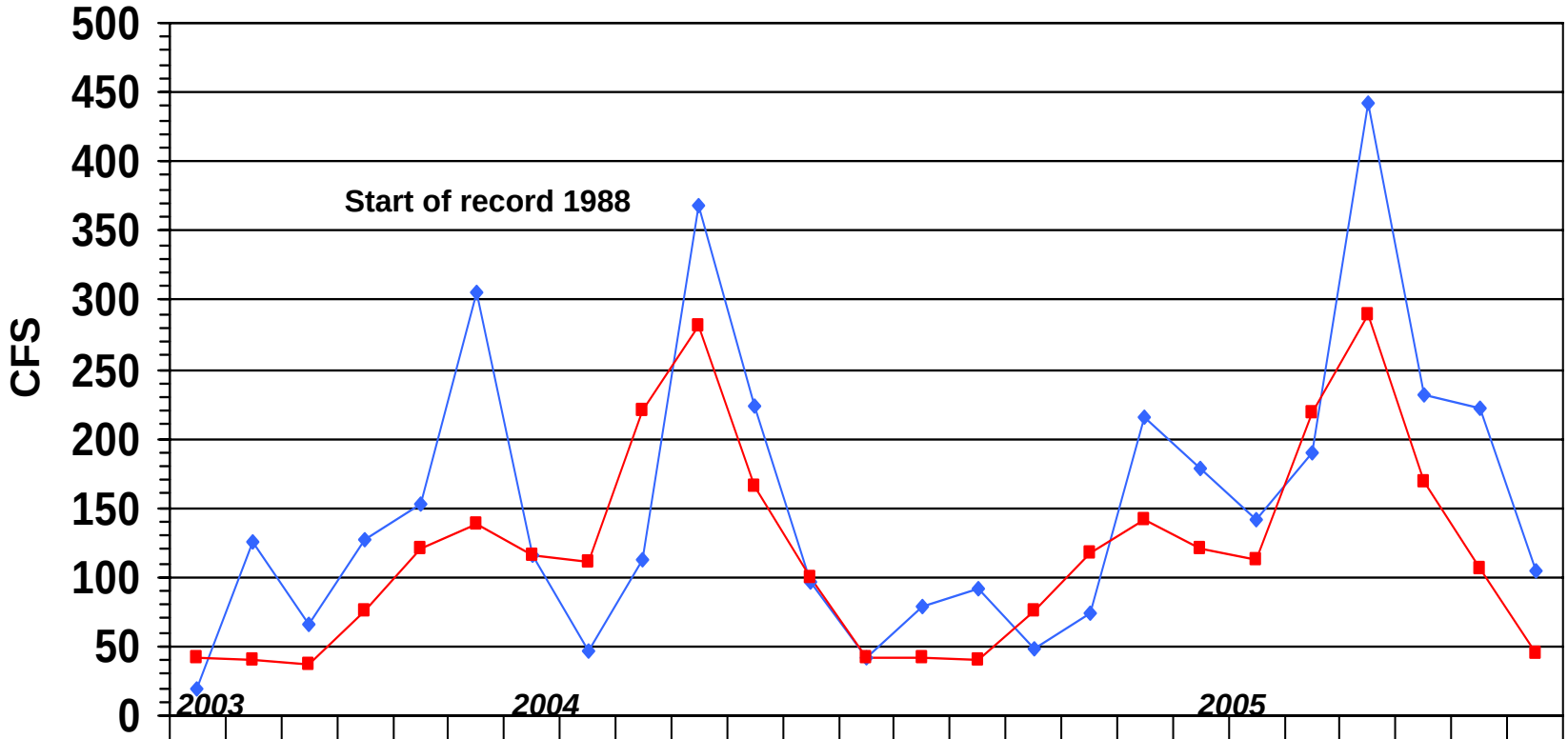


	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Monthly Mean Flow	52	123	71	209	330	657	319	137	371	1181	430	184	76	71	173	146	171	525	419	386	464	1049	613	276	158
Mean of Monthly Flows	101	78	88	107	225	288	268	268	624	776	382	214	100	78	89	108	224	292	270	270	622	780	385	215	101
% of Normal	51%	158%	81%	195%	147%	228%	119%	51%	59%	152%	112%	81%	65%	79%	194%	135%	76%	180%	155%	143%	75%	134%	159%	128%	156%

NH DES, Dam Bureau, Source: USGS (ice-01/03,02/03,03/03,01/04,02/04)

SOUCOOK RIVER at PEMBROKE ROAD
near CONCORD NH, Gage# 01089100

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

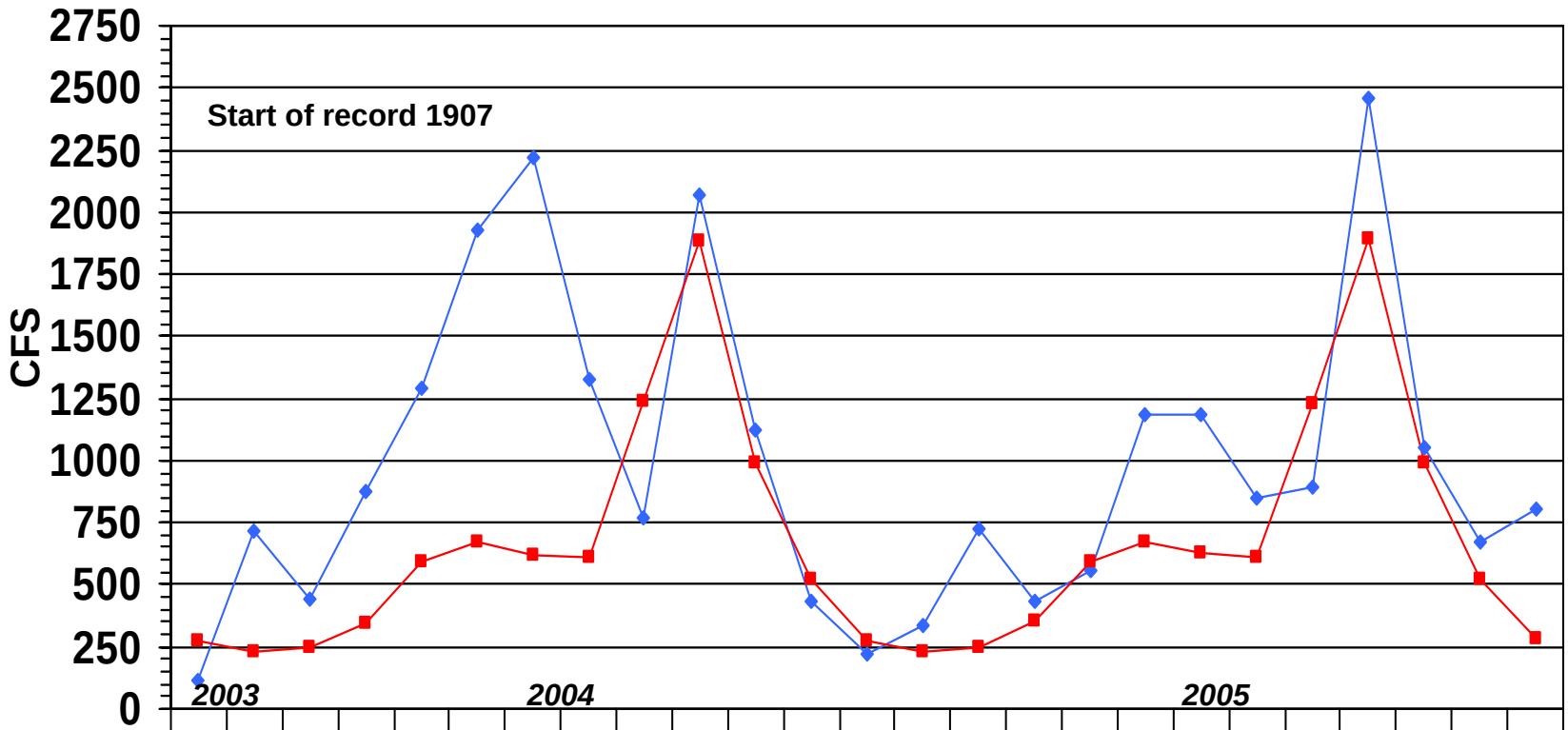


	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Monthly Mean Flow	20	126	66	127	153	306	115	47	112	368	224	97	42	79	91	49	74	215	179	141	189	442	232	222	104
Mean of Monthly Flows	41	40	37	76	120	138	116	111	221	281	165	99	41	42	40	75	117	142	120	113	219	290	169	106	45
% of Normal	49%	315%	178%	166%	128%	222%	99%	42%	51%	133%	136%	98%	102%	188%	228%	65%	63%	149%	143%	125%	84%	152%	137%	115%	231%

NH DES, Dam Bureau, Source: USGS (ice: 01/03, 02/03, 03/03, 01/04, 02/04, 03/04).

ASHUELOT RIVER at HINSDALE NH
Gage# 01161000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

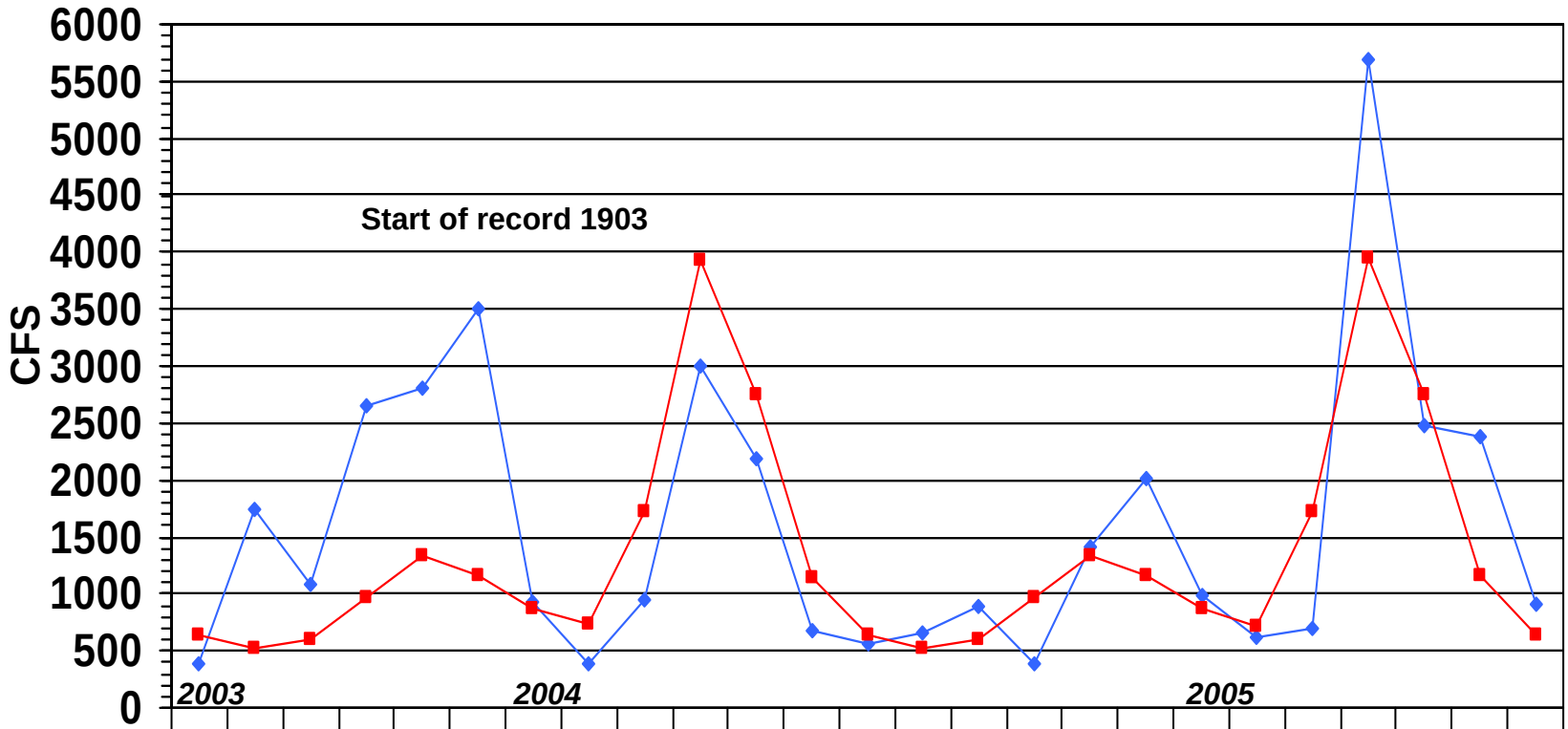


	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Monthly Mean Flow	118	712	443	878	1290	1932	2220	1324	769	2072	1122	437	224	334	721	434	554	1185	1182	850	890	2454	1048	671	802
Mean of Monthly Flows	274	229	244	349	594	670	618	608	1236	1882	991	523	274	230	249	350	593	675	624	610	1232	1888	991	524	279
% of Normal	43%	311%	182%	252%	217%	288%	359%	218%	62%	110%	113%	84%	82%	145%	290%	117%	80%	170%	184%	139%	72%	130%	106%	128%	287%

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,01/04,02/04,03/04)

PEMIGEWASSET RIVER at PLYMOUTH NH
Gage# 01076500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



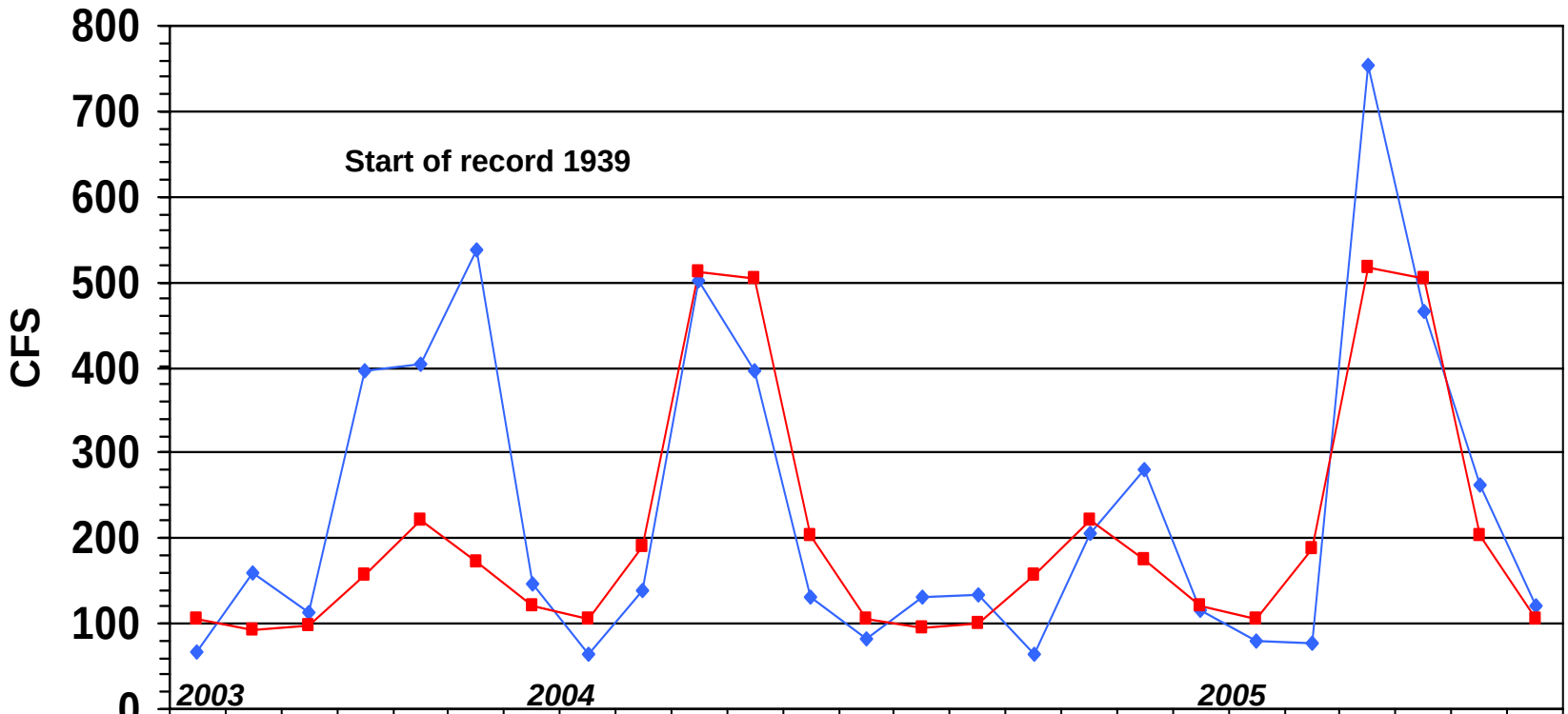
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Monthly Mean Flow	380	1737	1083	2644	2800	3495	936	380	949	3009	2191	681	563	654	890	393	1416	2014	986	614	702	5697	2472	2380	905
Mean of Monthly Flows	635	513	595	970	1342	1152	869	726	1728	3924	2756	1147	634	515	598	964	1342	1161	870	725	1718	3941	2754	1159	637
% of Normal	60%	339%	182%	271%	209%	303%	108%	52%	55%	77%	79%	59%	89%	127%	149%	41%	106%	173%	113%	85%	41%	145%	90%	205%	142%

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,12/03,01/04,02/04,03/04,12/04)

AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH
Gage# 01137500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Monthly Mean Flow	68	160	112	395	403	537	146	64	138	501	397	131	82	130	135	64	207	281	117	80	77	753	465	262	120
Mean of Monthly Flows	105	93	99	158	221	172	120	105	190	513	503	203	105	94	100	157	221	174	120	105	188	516	503	204	105
% of Normal	65%	172%	113%	250%	182%	312%	122%	61%	73%	98%	79%	65%	78%	138%	135%	41%	94%	161%	98%	76%	41%	146%	92%	128%	114%

NH DES, Dam Bureau, Source: USGS(ice:01/04,02/04,03/04,12/04)

New Hampshire Groundwater Levels for July 2005

WELL	START OF RECORD	WATER LEVEL BELOW SURFACE DATUM (ft)	NET CHANGE IN ONE MONTH (ft)	NET CHANGE IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	DEPARTURE FROM MONTHLY MEDIAN (FT)	PERCENT OF RANGE	STATUS
ALBANY 14	1995	6.50	-1.12	+0.50	6.98	1.93	+0.48	24.9	NORMAL
ALBANY 15	1995	8.53	-1.31	+0.47	8.80	2.51	+0.27	10.8	NORMAL
BARNSTEAD 10	1995	2.83	-0.38	+0.14	3.23	0.40	+0.40	100.0	ABOVE NORMAL
CAMPTON 34	1988	12.33	-1.18	+0.82	13.57	1.93	+1.24	64.2	ABOVE NORMAL
COLEBROOK 73	1995	7.33	-0.32	+0.62	7.95	0.72	0.62	86.1	ABOVE NORMAL
CONCORD 2	1963	39.92	+0.22	+1.17	41.44	4.51	+1.52	33.7	NORMAL
CONCORD 4	1966	16.85	-0.87	+0.61	17.51	2.06	+0.66	32.0	ABOVE NORMAL
DEERFIELD 46	1984	38.14	-0.33	-0.04	38.50	0.76	+0.36	47.4	ABOVE NORMAL
ENFIELD 30	1990	5.01	-2.79	+1.01	6.11	3.61	+1.10	30.5	NORMAL
ERROL 1	1966	12.6	-0.20	----	12.4	1.2	-0.2	-13.0	NORMAL
FRANKLIN 1	1966	10.15	-0.66	+0.80	11.75	3.77	+1.60	42.4	ABOVE NORMAL
GREENFIELD 75	1995	59.34	+0.35	+0.92	60.98	1.99	+1.64	82.4	ABOVE NORMAL
HOOKSETT 5	1965	47.93	-0.91	+0.36	48.26	4.52	+0.33	7.3	NORMAL
KEENE 2	1963	3.65	+0.05	+0.07	4.73	1.89	+1.08	57.1	ABOVE NORMAL
LANCASTER 1	1966	2.50	-0.50	+0.10	2.25	0.45	-0.25	-55.6	BELOW NORMAL
LEE 1	1953	30.66	-0.66	+0.43	31.26	0.89	+0.60	67.4	ABOVE NORMAL
LISBON 19	1990	14.47	-1.26	+0.06	14.53	2.02	+0.06	3.0	NORMAL
NASHUA 218	1964	27.53	-0.63	+0.26	27.99	1.60	+0.46	28.7	ABOVE NORMAL
NEW DURHAM 53	1986	19.12	-0.35	+0.42	19.64	1.11	+0.52	46.8	ABOVE NORMAL
NEW LONDON 1	1947	8.66	-3.67	+1.57	10.88	3.58	+2.22	62.0	ABOVE NORMAL
NEWPORT 3	1995	5.82	-0.81	+0.45	6.32	1.67	+0.50	29.9	ABOVE NORMAL
NEWPORT 6	1995	5.89	-0.80	+0.48	6.41	1.73	+0.52	30.1	ABOVE NORMAL
OSSIPEE 38	1995	34.54	-0.65	+0.79	35.37	1.57	+0.83	52.9	ABOVE NORMAL
SHELBURNE 2	1995	5.07	-1.17	+0.06	4.86	0.52	-0.21	-40.4	NORMAL
WARNER 1	1965	28.32	-0.15	+1.77	29.98	2.18	+1.66	76.1	ABOVE NORMAL

Source: USGS, NH DES

STREAMFLOW DATA FOR SELECTED NH STATIONS AS OFAUGUST 16, 2005

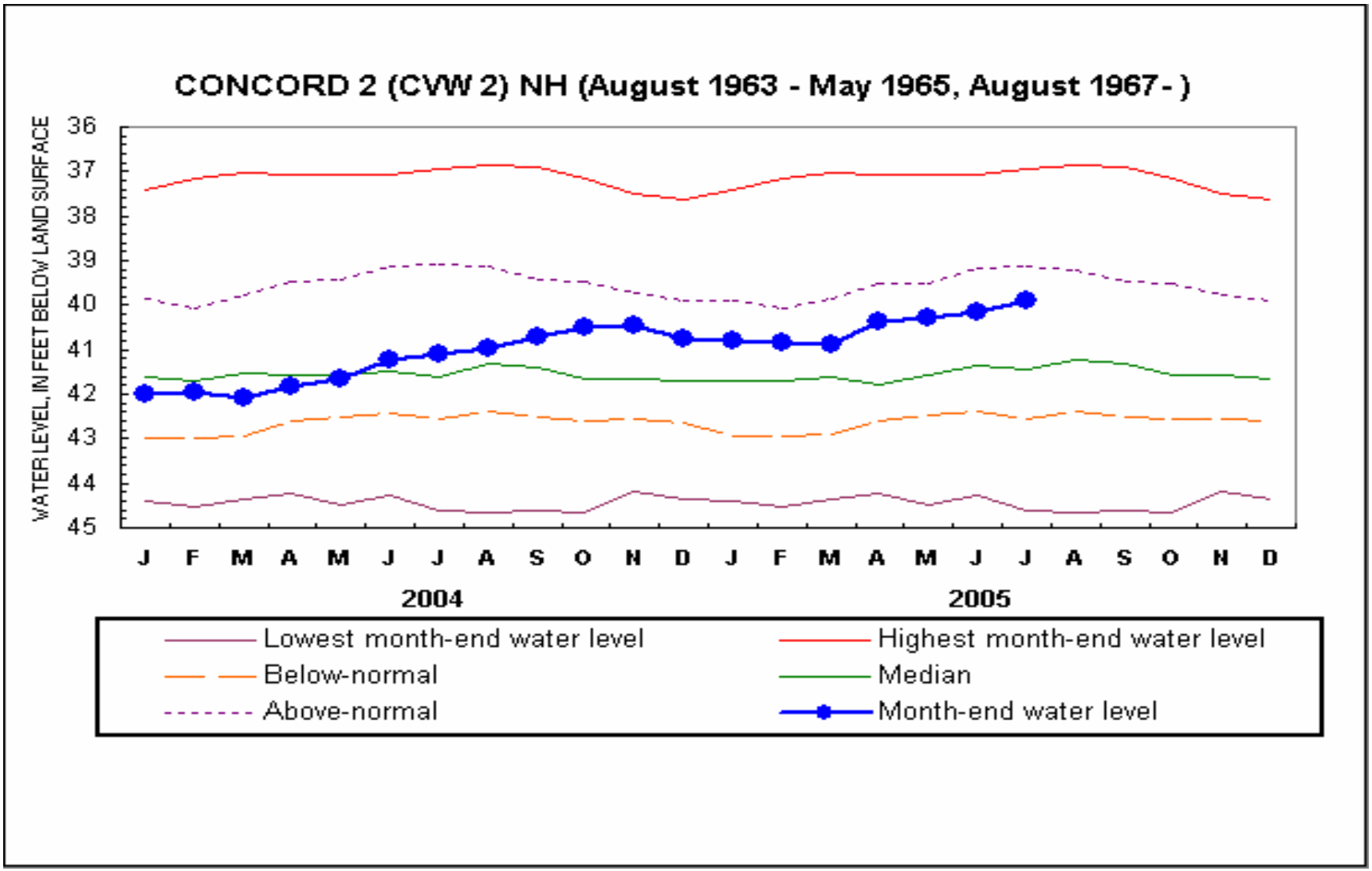
Station number	Station name	Est. Mean Flow (cfs)	Long Term Median Flow	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
Androscoggin River Basin										
01052500	Diamond River near Wentworth Location, NH	49	83.5	22	16	6.8	59%	FALSE	FALSE	FALSE
01053500	Androscoggin River at Errol, NH	1,710	1,705	500	451	0	100%	FALSE	FALSE	FALSE
01054000	Androscoggin River near Gorham, NH	1,690	1,860	1300	1310	795	91%	FALSE	FALSE	FALSE
Saco River Basin										
01064500	Saco River near Conway, NH	253	230	105	97	66	110%	FALSE	FALSE	FALSE
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	21	29	6	4.8	4.5	72%	FALSE	FALSE	FALSE
Piscataqua River Basin										
01072100	SALMON FALLS RIVER AT MILTON NO DATA									
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	59	46	7	5 --		128%	FALSE	FALSE	
Merrimack River Basin										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	106	99	55	49	46	107%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	173	105	65	56 --		165%	FALSE	FALSE	
01076000	BAKER RIVER NEAR RUMNEY, NH	37	40	18	15 --		93%	FALSE	FALSE	
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	341	310	130	118	45	110%	FALSE	FALSE	FALSE
01078000	SMITH RIVER NEAR BRISTOL, NH	24	20	7	6.2	2.7	120%	FALSE	FALSE	FALSE
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	282	304	143	136	48	93%	FALSE	FALSE	FALSE
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	712	1,090	520*	551 --		65%		FALSE	
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	65	20	5.5	6.3 --		325%	FALSE	FALSE	
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	200	153	40	37 --		131%	FALSE	FALSE	
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	226	134	35	39 --		169%	FALSE	FALSE	
01086000	WARNER RIVER AT DAVISVILLE, NH	106	28.5	6	5.3 --		372%	FALSE	FALSE	
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	50	45	15.5	13.7 --		111%	FALSE	FALSE	
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	39	11	1.7	1.2 --		355%	FALSE	FALSE	
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	117	38	8	8.8 --		308%	FALSE	FALSE	
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	2,250	1,475	560*	644	98*	153%		FALSE	
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	70	43	15	12.9 --		163%	FALSE	FALSE	
Connecticut River Basin										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	296	408		42	30	73%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	429	658		176	108	65%	FALSE	FALSE	FALSE
01131500	CONNECTICUT RIVER NEAR DALTON, NH	690	1,180		389	115	58%	FALSE	FALSE	FALSE
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	63	60.5		28	21	104%	FALSE	FALSE	FALSE
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	1,330	2,070		690	152*	64%		FALSE	
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	1,040	2,460	380*	902	82*	42%		FALSE	
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	131	80	40	38	14	164%	FALSE	FALSE	FALSE
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	1,480	2,700	260*	1058	115*	55%		FALSE	
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	75	15	4.5	2.7	0.4	500%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	40	9.6	1.6	1.1	0.3	417%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	279	83	32 --	--		336%	FALSE		

*Flow duration and record low mean daily flow significantly affected by reservoir operations

**Estimated

Source: USGS, NH DES

SUMMARY	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	28	32	16
TRUE =	0	0	0



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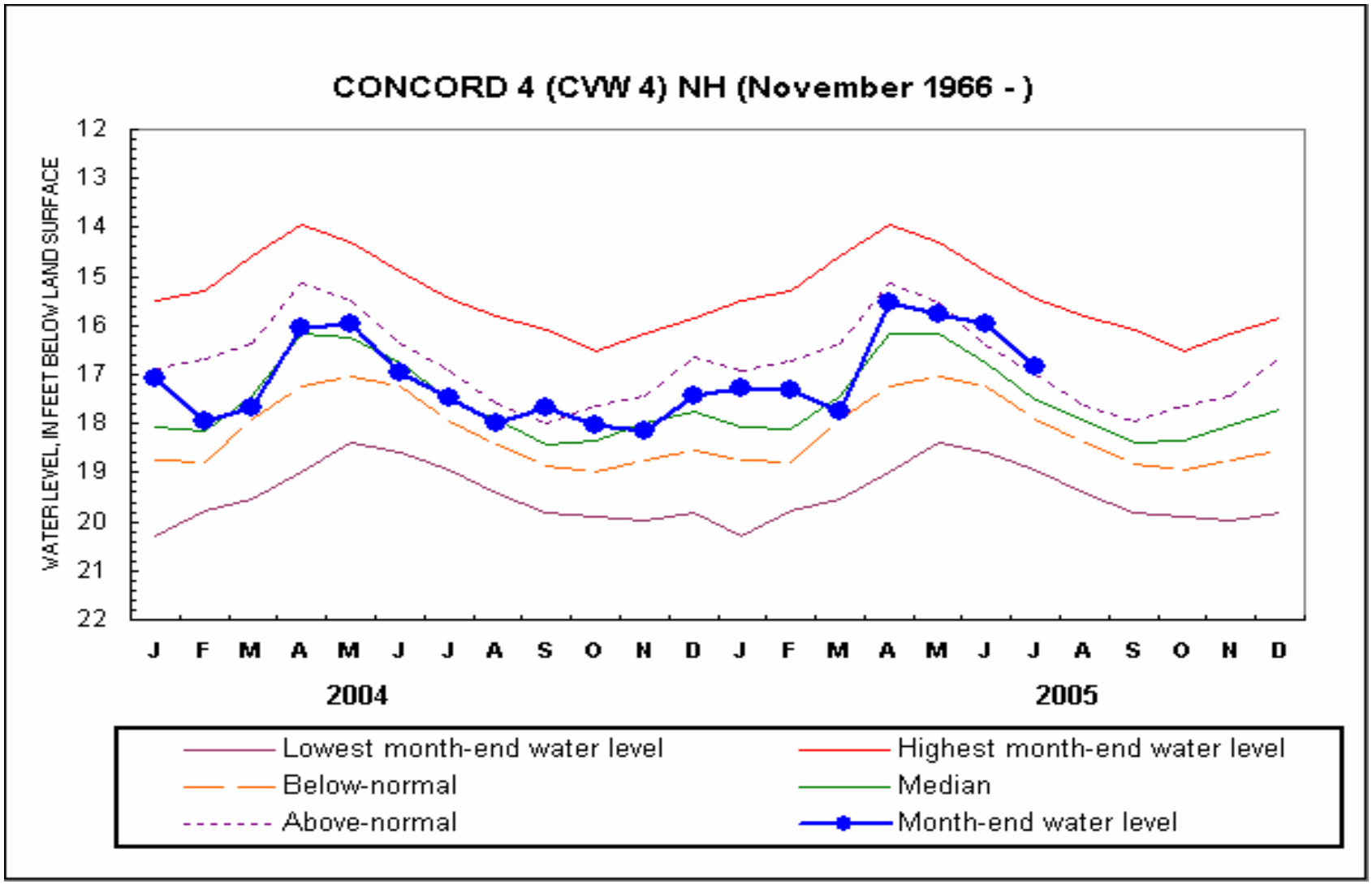

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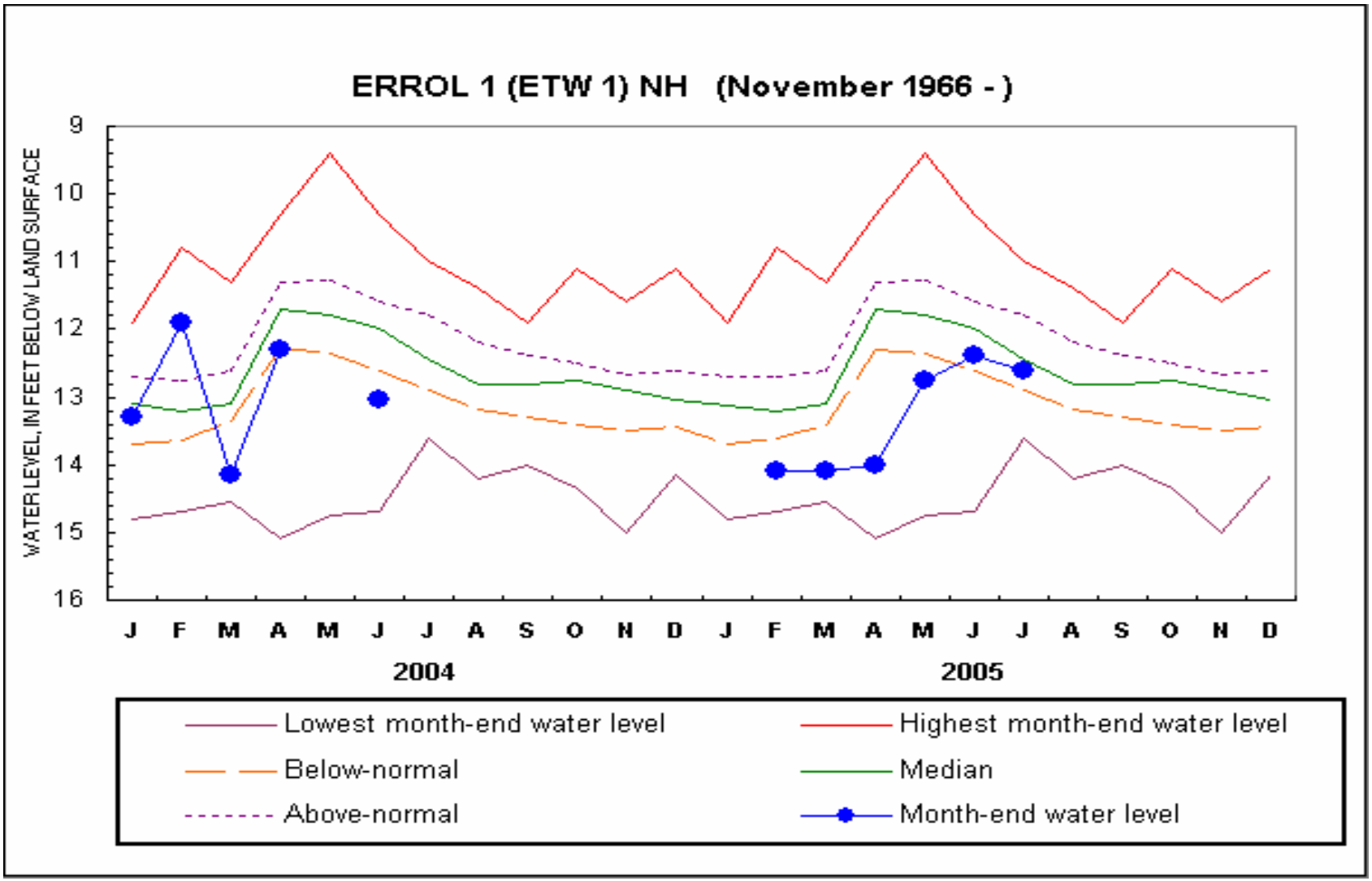

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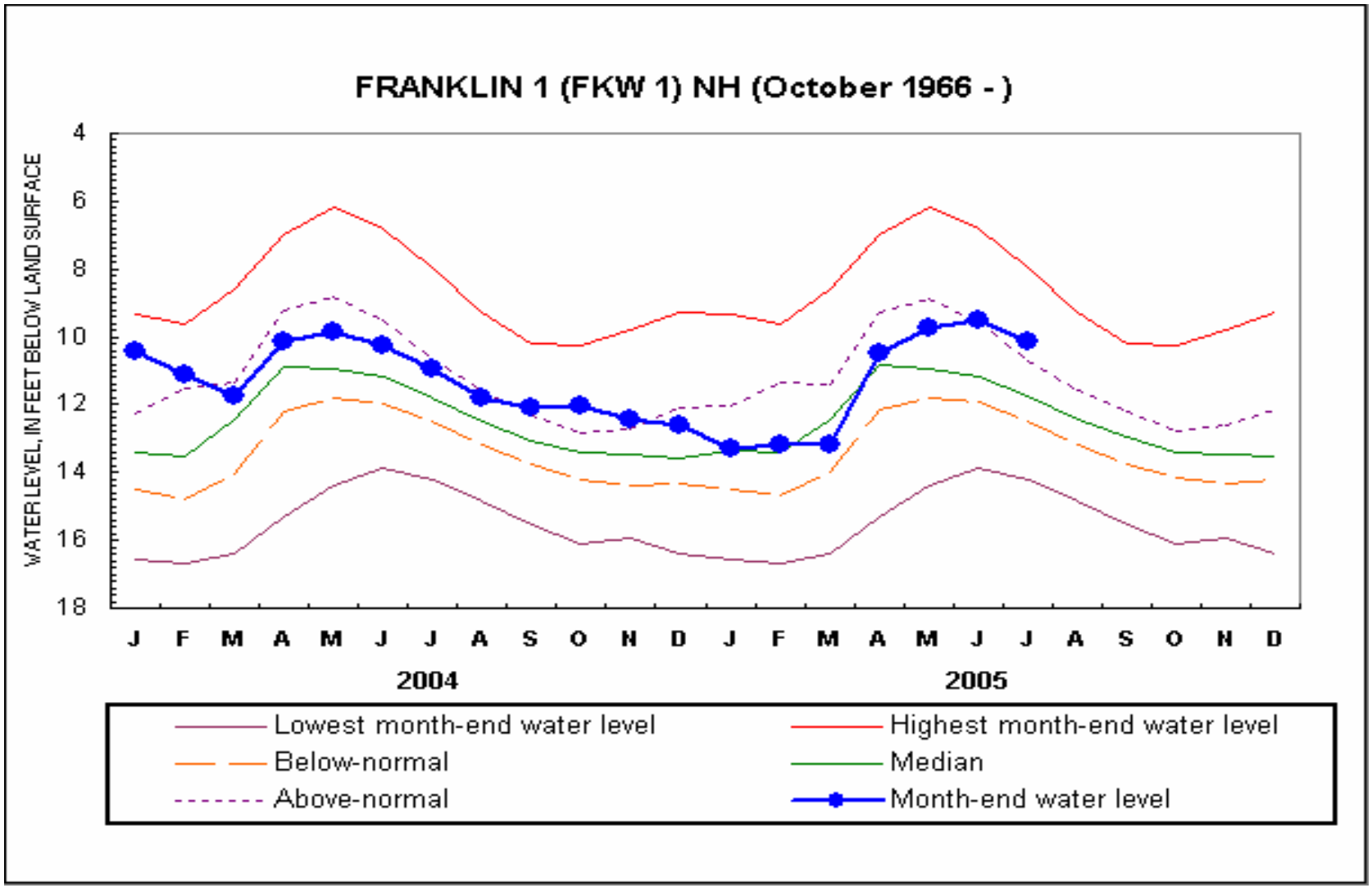

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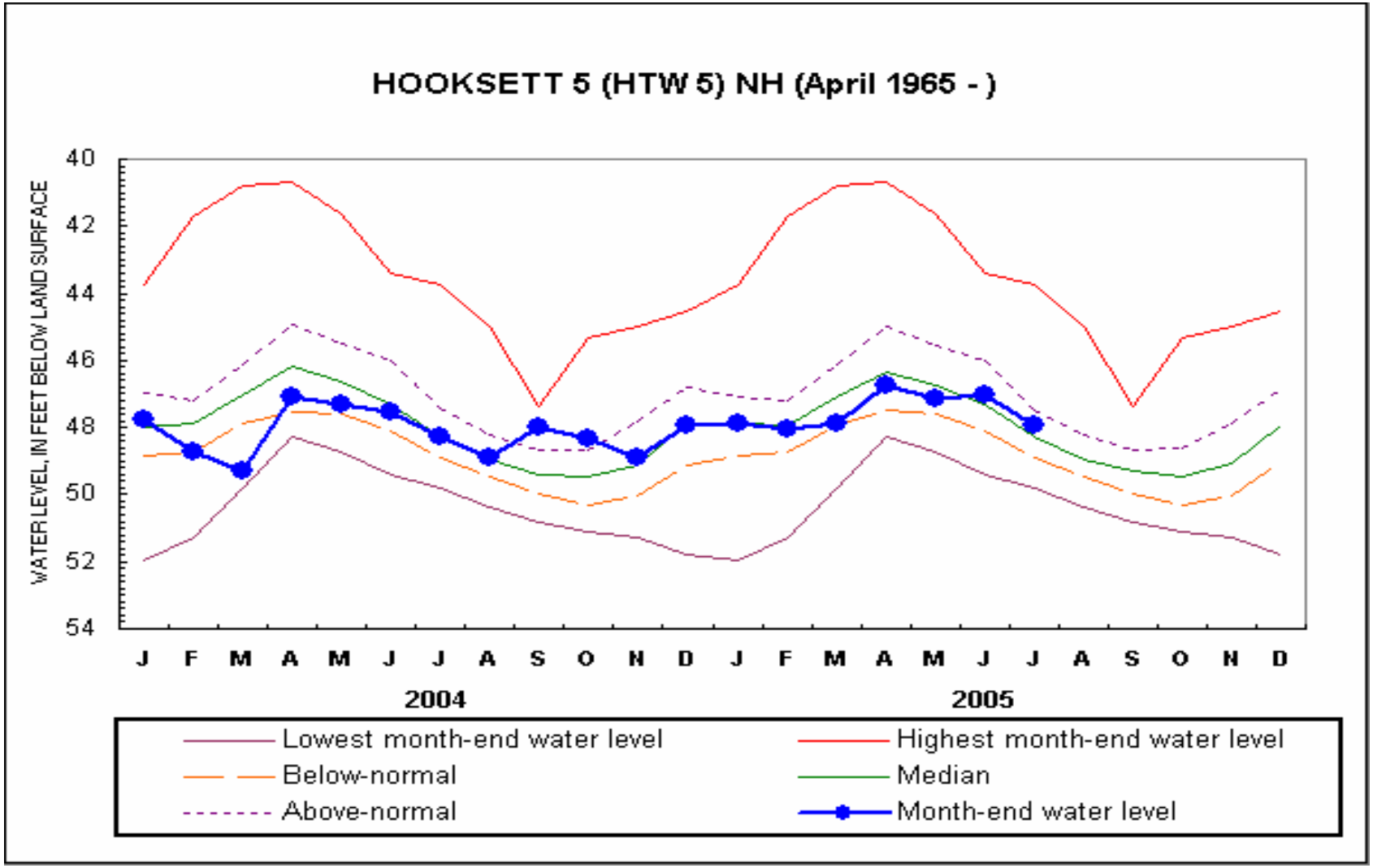

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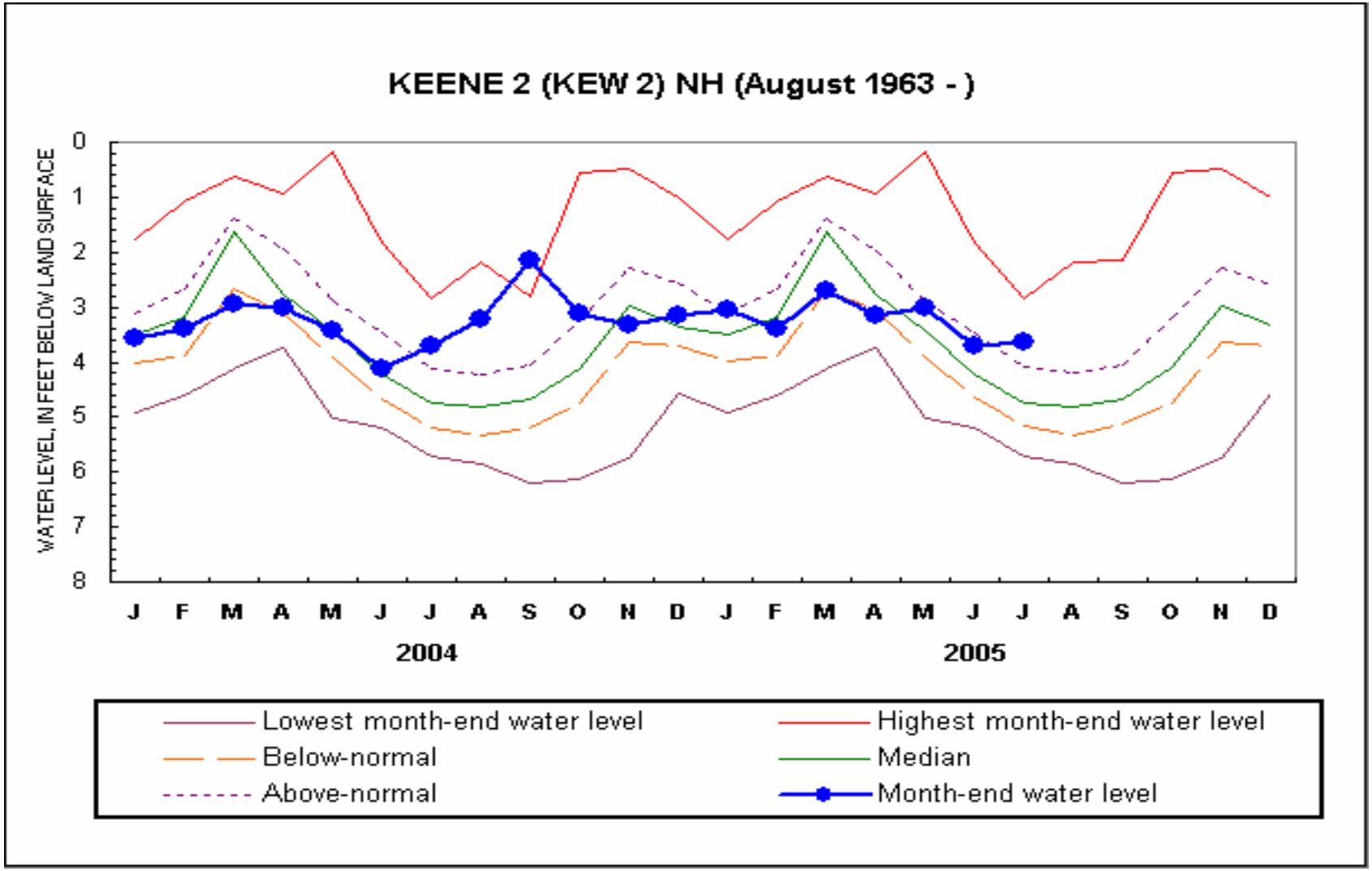

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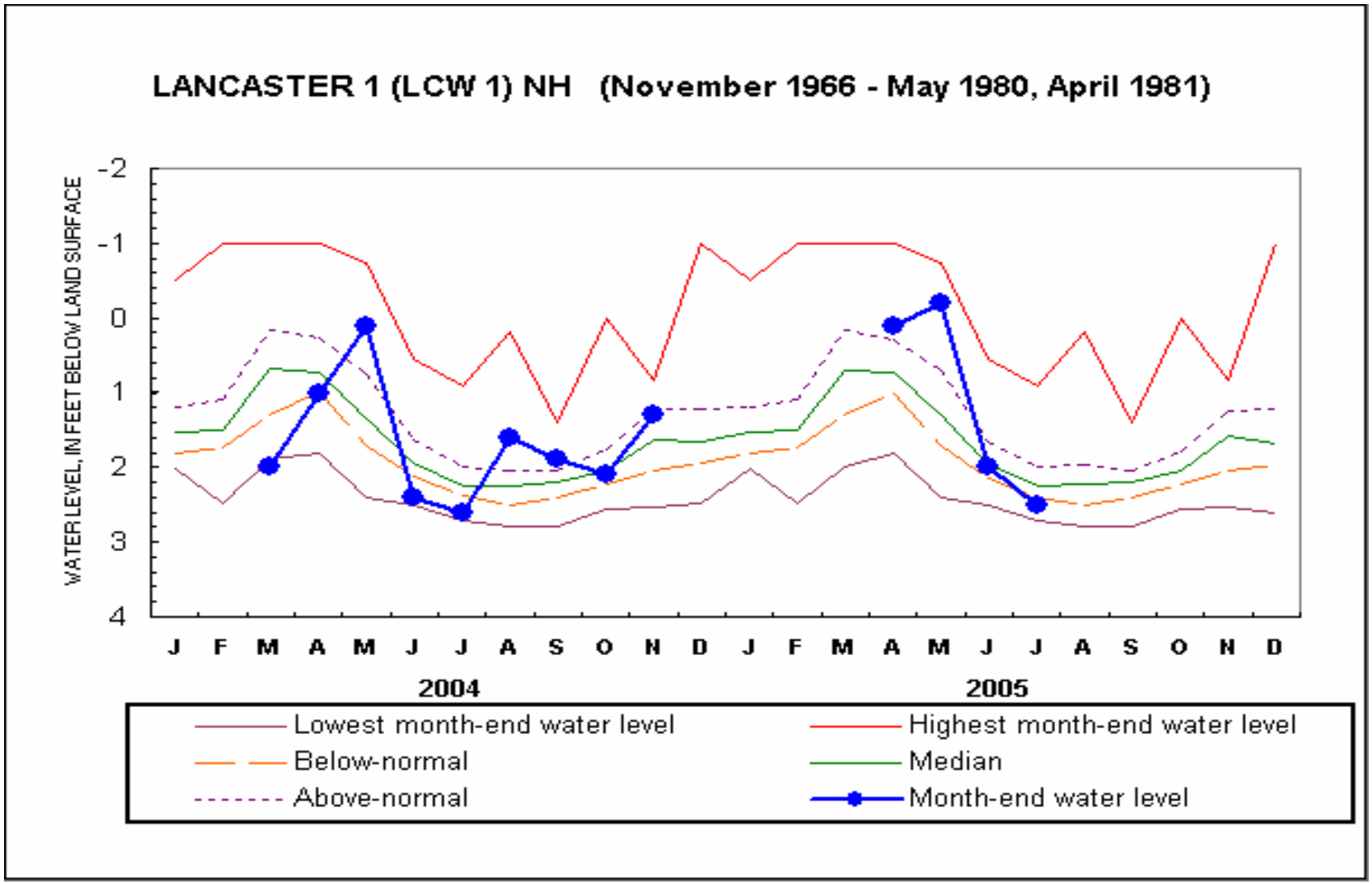

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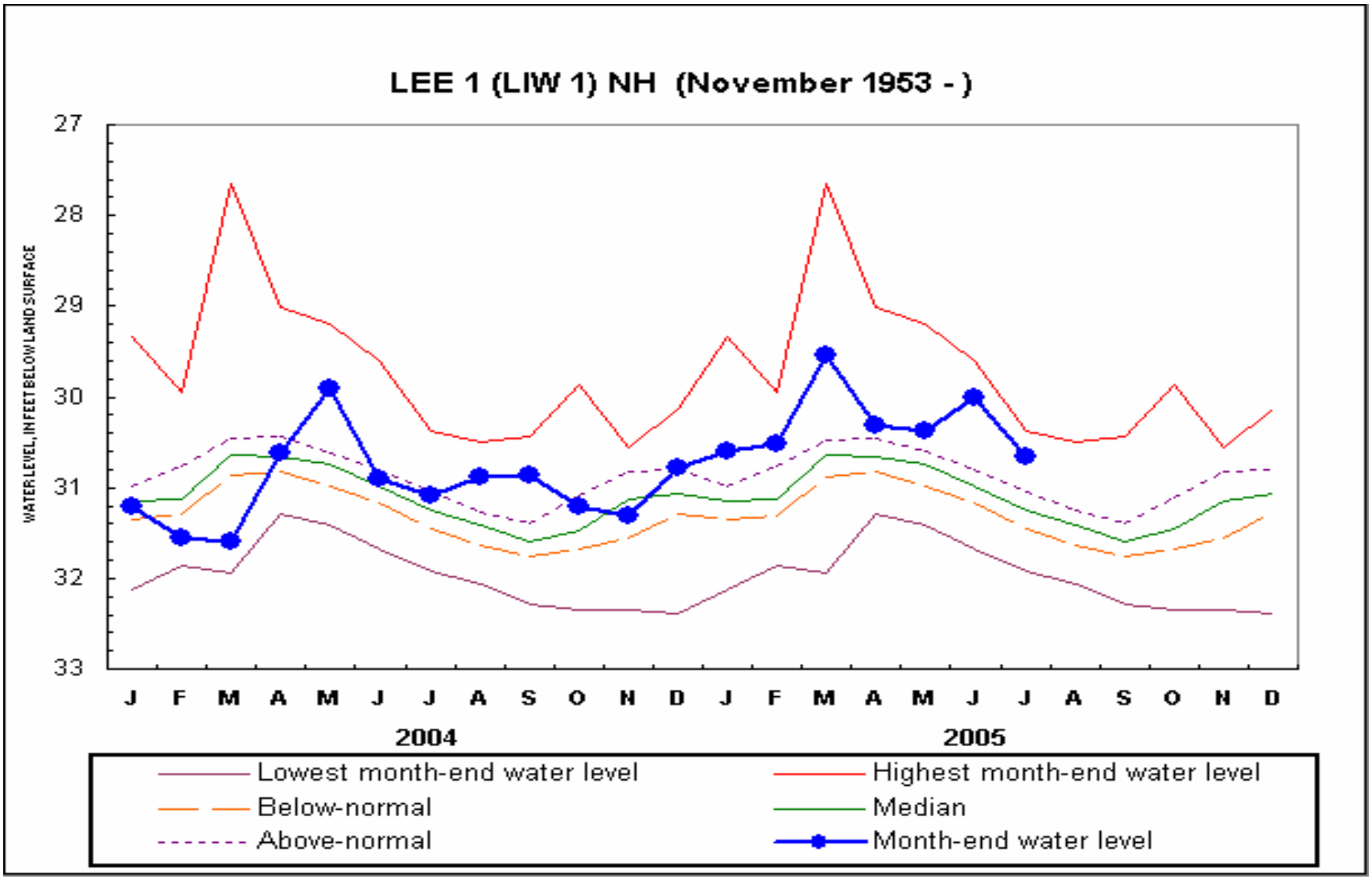

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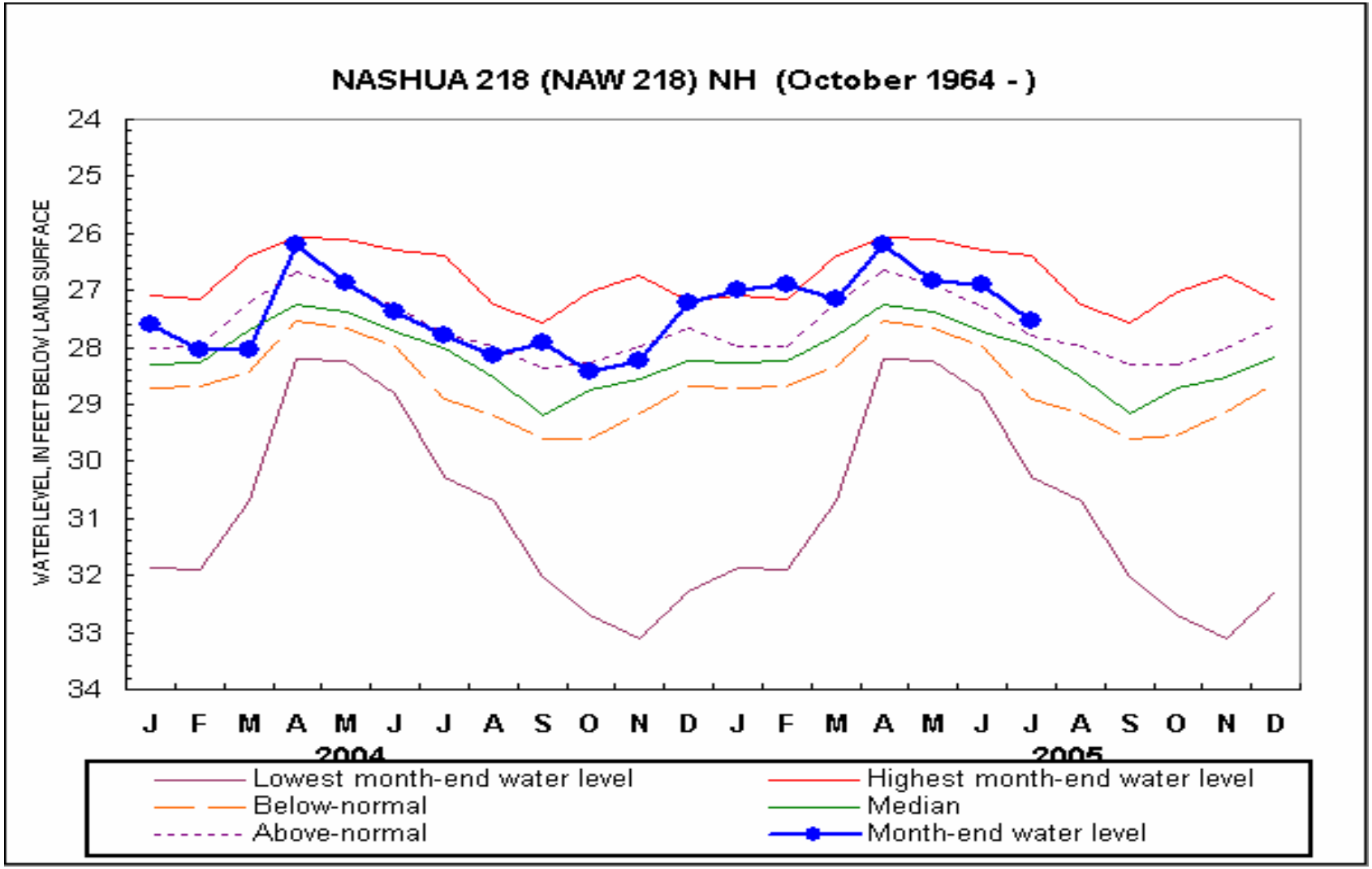

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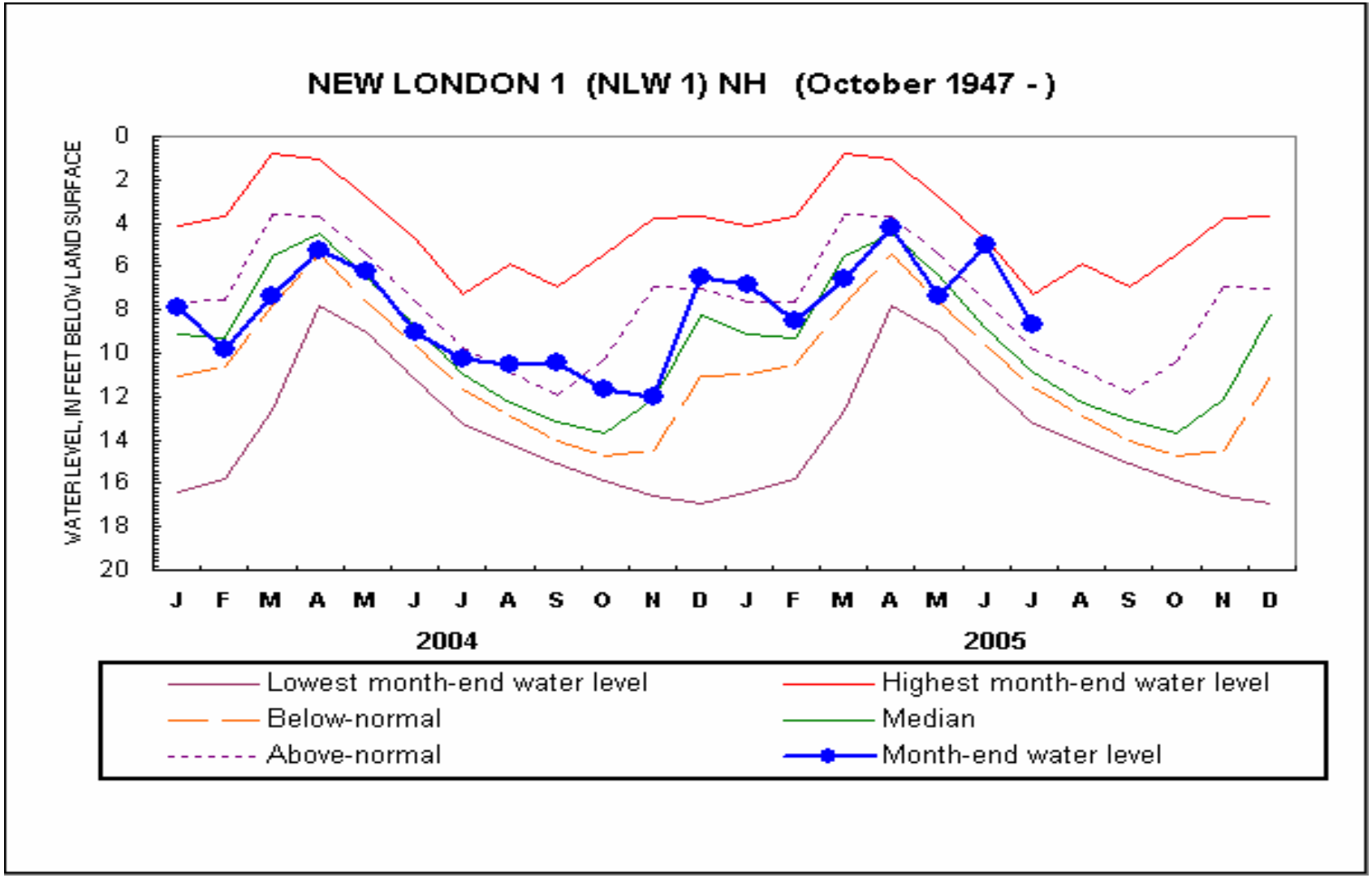

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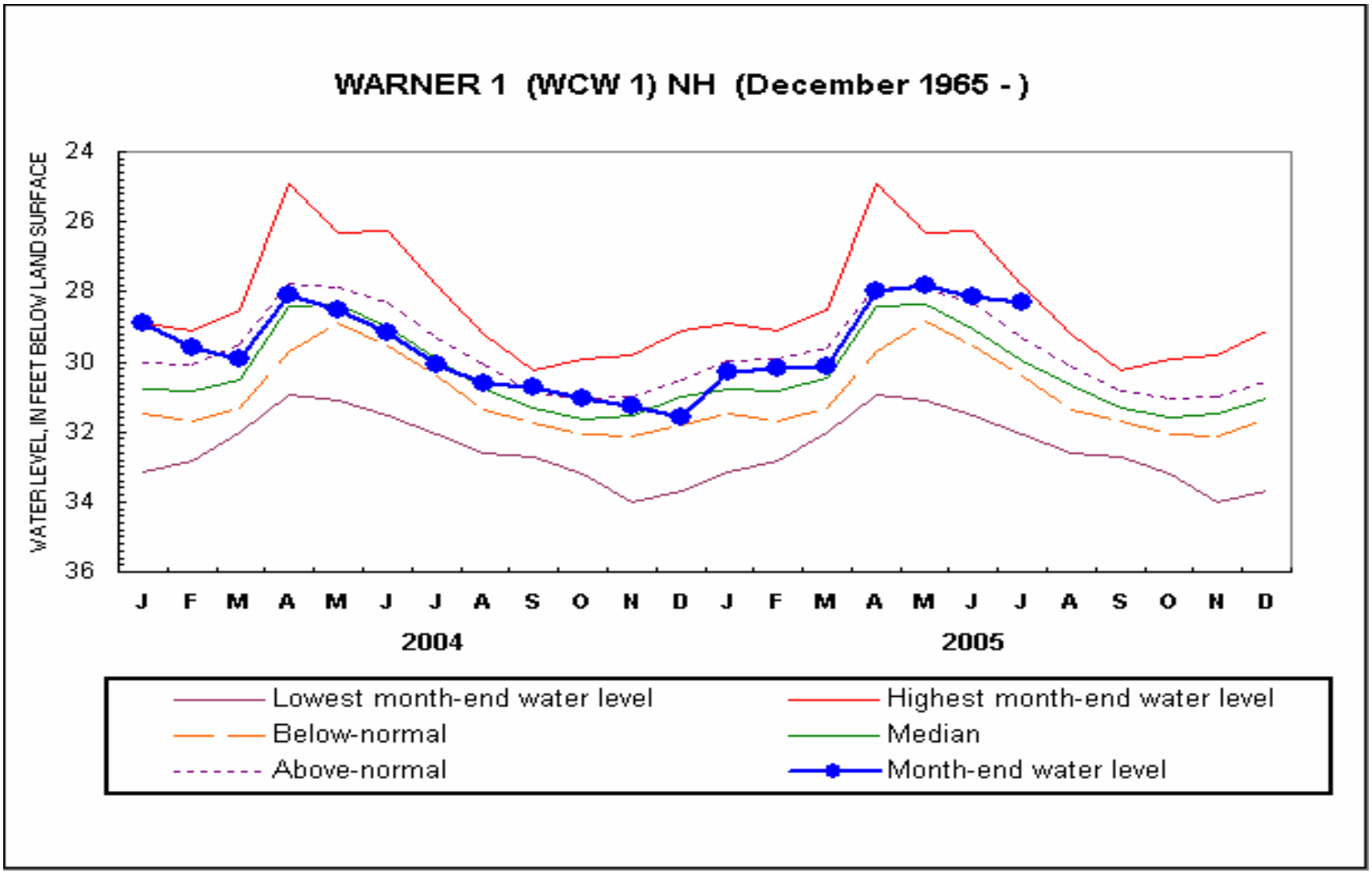

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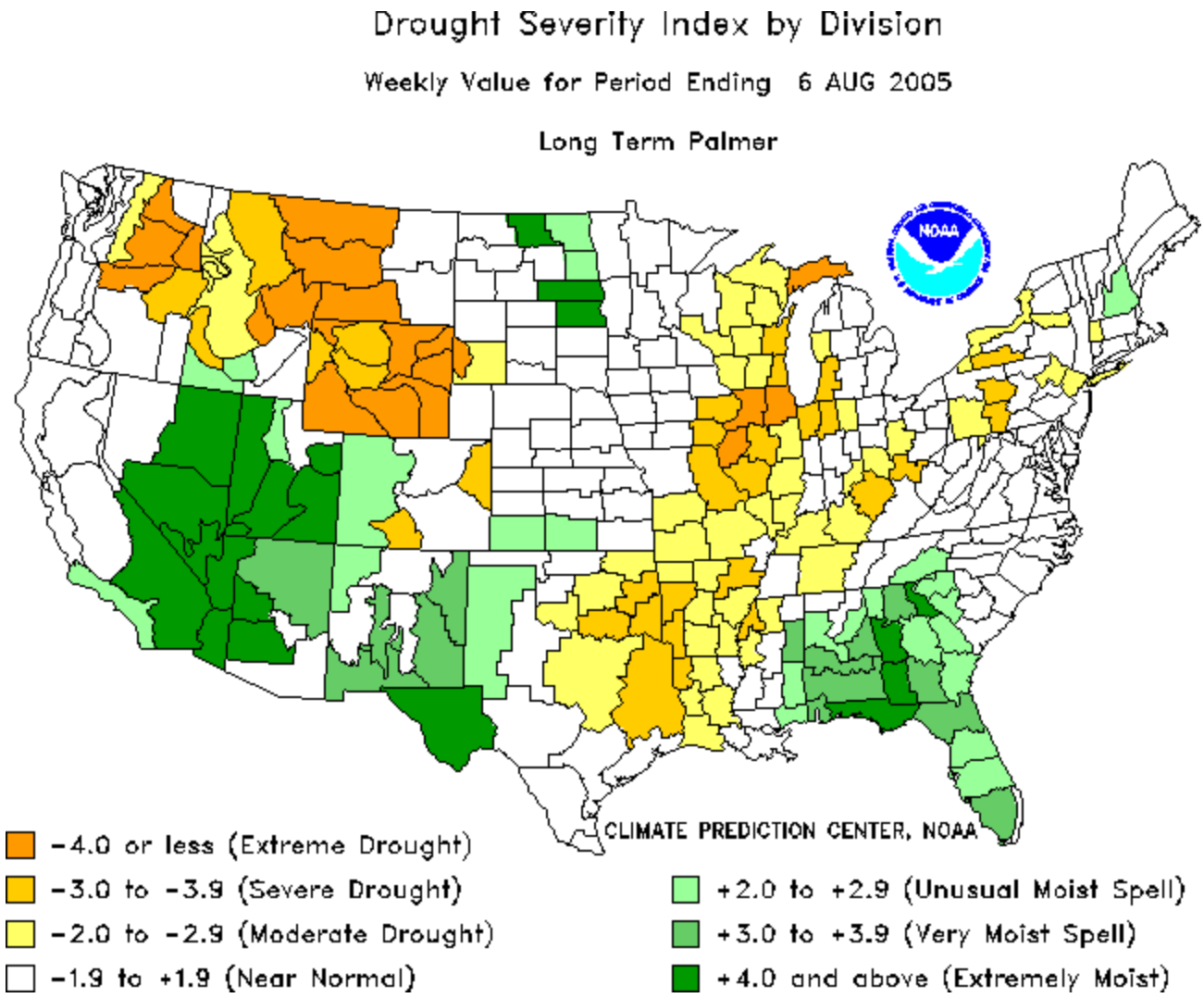
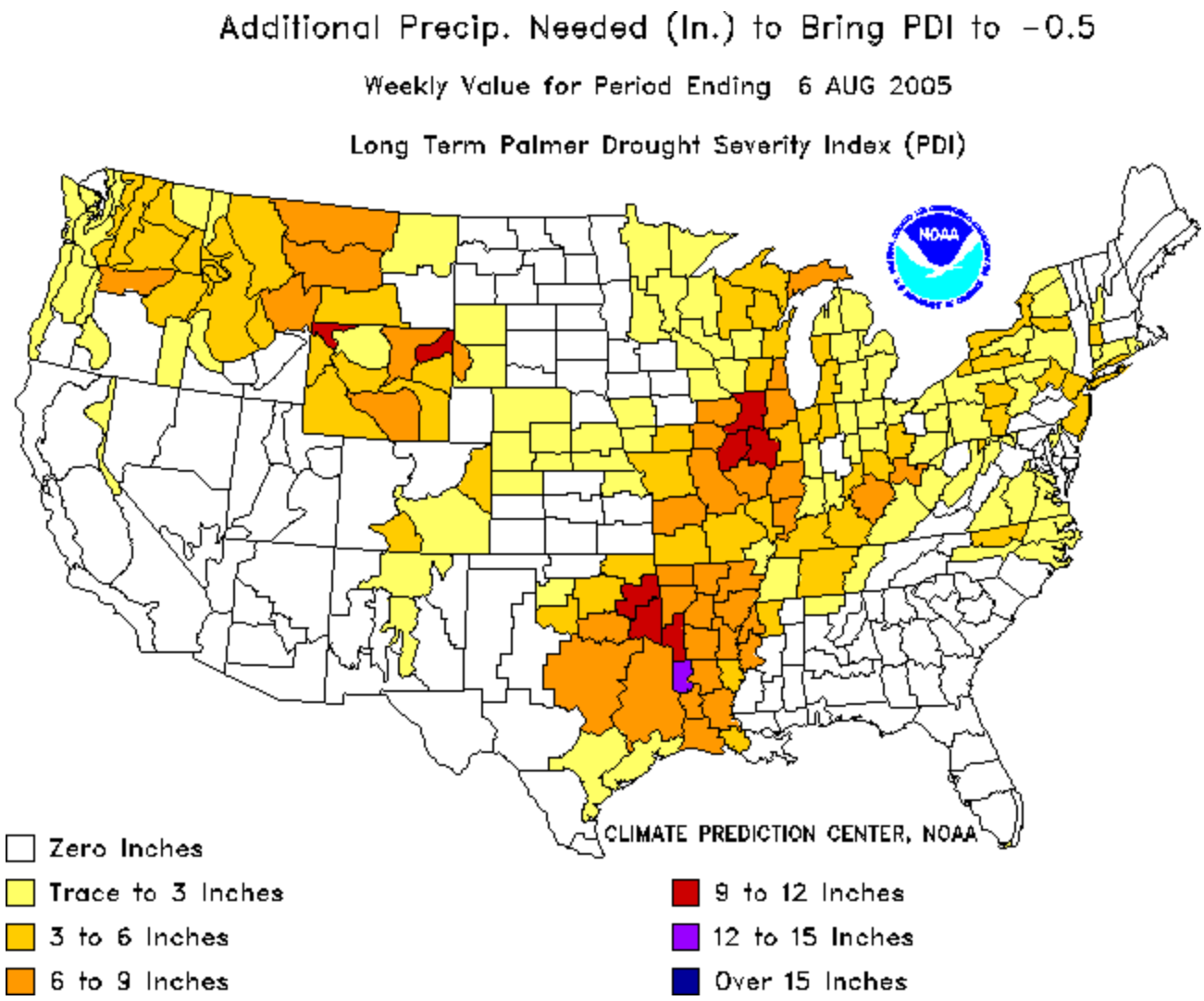


THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.